

Date: Fri, 29 Apr 94 04:30:18 PDT  
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>  
Errors-To: Ham-Digital-Errors@UCSD.Edu  
Reply-To: Ham-Digital@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Digital Digest V94 #132  
To: Ham-Digital

Ham-Digital Digest                      Fri, 29 Apr 94                      Volume 94 : Issue 132

Today's Topics:

                    AEA's new 9600bd TNC?  
                    Are TNC schematics/kits available?  
                    BAYCOM type modem on a Macintosh?  
                    GRINOS Documentation  
                    HELP - baycom driver for ka9q?  
                    Internet -> packet gateway legality  
Moving digital image data from mobile van to hospital  
                    On email addresses and host names  
                    T-Net X1J Release 2  
                    TEK RADIO.....where?  
                    WANTED: RADIO HEALTH PROGRAMMING  
                    wanted KPC-4  
                    Wanted PD-Software for JRC NRD525  
                    WEFAX on the Macintosh ???  
                    what freq to receive weather fax ?

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>  
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 28 Apr 1994 19:06:26 GMT  
From: ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!hyperion.jpl.nasa.gov!  
laborde@network.ucsd.edu  
Subject: AEA's new 9600bd TNC?  
To: ham-digital@ucsd.edu

Thank you Dick, for your response. Along the same lines, would anyone  
have a review of DRSI's 9600bd TNC? I have written to DRSI several times

requesting information, even enclosing a SASE, and they have not responded. What's the secret?

-Greg

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Date: 28 Apr 1994 13:00:16 -0700  
From: pacbell.com!amdahl!netcomsv!dodge!not-for-mail@ames.arpa  
Subject: Are TNC schematics/kits available?  
To: ham-digital@ucsd.edu

In article <CoxG2r.IJ8@boi.hp.com>,  
Riyadth Al-Kazily <riyadth@boi.hp.com> wrote:

>  
>alternatives (BayCom-type modems, for example), but since I run an Amiga,

Ugh. I looked into how those were designed. The baycom takes outgoing data 8 bits at a time, but incoming data must be processed by the computer 1 bit at a time. It's processing time is very critical.

>  
>What I would like to know is the availability of TNC schematics, kits, or (preferably) bare >circuit boards. Having seen various types of firmware available (plug

The TAPR organization, the originators of the TNC and TNC2, have a mail server at file-request@tapr.org. Send "help" as the message body and it will send you instructions. Send "index" or "dir" as the message body and it will send you a directory of all their files.

The do not sell tnc kits anymore, but they do still sale blank tnc pc-boards. They also have all kinds of specifications.

TAPR is a non-profit organization.

73,  
km6wt

-----  
Date: 28 Apr 94 14:45:56 -0600  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!convex!news.duke.edu!eff!news.kei.com!news.byu.edu!yvax.byu.edu!physc1.byu.edu!peterson@network.ucsd.edu  
Subject: BAYCOM type modem on a Macintosh?  
To: ham-digital@ucsd.edu

A friend recently built one of the packet modems like the BAYCOM or Poor Man's

Packet (he described it as a BAYCOM, I haven't seen it) and it works like a charm on an XT. However, he has a Macintosh and would like to use it on that computer. Is the software for this type of modem available for the MAC?

Also, he is having trouble hooking the modem up to his Kenwood TH-78 HT and would appreciate any pointers on getting that to work correctly.

(This friend [Brian Havlerson, KB7WMM] doesn't have internet access. Please reply to me and I will pass it on to him.)

Bryan Peterson, ki7td  
ki7td@byu.edu  
peterson@phyc1.byu.edu

-----  
Date: 28 Apr 1994 13:13:08 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!msuinfo!netnews.upenn.edu!  
gopher.cs.uofs.edu!triangle.cs.uofs.edu!bill@network.ucsd.edu  
Subject: GRINOS Documentation  
To: ham-digital@ucsd.edu

I am trying to generate a PS copy of the manual for GRINOS using groff. Can someone tell me what macros need to be used?? I tried -ms but the formatting came out bad. Any help would be appreciated.

bill KB3YV

--  
Bill Gunshannon | de-moc-ra-cy (di mok' ra see) n. Three wolves  
bill@cs.uofs.edu | and a sheep voting on what's for dinner.  
University of Scranton |  
Scranton, Pennsylvania | #include <std disclaimer.h>

-----  
Date: 28 Apr 1994 12:51:26 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!usenet.ins.cwru.edu!  
cleveland.Freenet.Edu!da884@network.ucsd.edu  
Subject: HELP - baycom driver for ka9q?  
To: ham-digital@ucsd.edu

What do u need?? The driver or how to set it up??

--

-----  
| David AMPRnet - ve3tos@ve3tos.ampr.org www |  
| Don Mills, Ontario Internet - da884@cleveland.freenet.edu (o o) |

|\_Canada\_\_\_\_VE3TOS\_\_\_\_\_Packet - ve3tos@va3bbs.#scon.on.can.noam\_o00\_\_(\_)\_00o|

-----  
Date: Thu, 28 Apr 94 14:16:07 PDT  
From: ncar!csn!news.sinet.slb.com!news@ames.arpa  
Subject: Internet -> packet gateway legality  
To: ham-digital@ucsd.edu

>  
> I posted a question to rec.radio.amateur.policy about the legality of  
> internet->packet gateways and got a few replies. Anyone here have an  
> opinion?  
>

In operating two BBS's (GB7MXM: AX25-NTS[me], & GB7TXM: TCP/IP[my wife]) I believe that our NOVs allows us to handle 3rd party messages. It does not say anything in BR68 (UK licence text) that I must exclude non-amateur traffic if the traffic has originated from something other than radio modes. Therefore running a TCP/IP telephone slip link into say demon.co.uk from our tcp/ip bbs allows us in theory to route internet traffic into the amateur network and vice-versa!

Practically the phone costs prohibit this activity, along with having to persuade demon.co.uk to route 44.131.nnn.nnn etc to our account.

Also my licence is at risk as the 'gateway' operator. If I pass traffic that is deemed to have gone out of the scope of BR68 then I face the consequences not the originator....

Anyhow, there is nothing in theory that should stop it happening legally at present. However, who has ever known licences to keep pace with developments?

73 Neville, G0JVV

-----  
Date: 23 Apr 94 11:58:42 GMT  
From: agate!cat.cis.Brown.EDU!noc.near.net!mv!lmr!rapp@ucbvax.berkeley.edu  
Subject: Moving digital image data from mobile van to hospital  
To: ham-digital@ucsd.edu

dtucker@Erebus.rad.uab.edu (Douglas M. Tucker) writes:

> The question that I have for this group is, provided all of the other  
> issues are worked out, how to get the data from the van back to the  
> department in an efficient and cost effective manner? What options are  
> available? I have read several of the posting in this newsgroup, and

> am wondering if "packet" would be appropriate. For this application,  
> each image will be approx 8MByte, with 3-5 images / hour.

We were presented with a similar problem several years ago. It involved remote clinics in northern Canada transmitting x-ray images to two hospitals in Montreal and Toronto. At the time, it was determined that the images could be compressed to 3 MBytes, but even at that we needed a T1 line to the sites. At 40 Mbytes/hour, it sounds like you would still need the same thing, unless you could do it via microwave. I'm not up-to-date on commercial uses of packet, but here even 9600 baud tends to be a stretch, and that wouldn't be nearly fast enough.

Larry W1HJF

-----  
L. M. Rappaport & Associates, Inc.    rapp@lmr.mv.com    voice +1 603 237 8400  
Colebrook, NH 03576-0158            CIS 72427,2567    fax    +1 603 237 8430  
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Date: 28 Apr 94 16:35:01 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!eff!  
news.kei.com!ub!niktow!exuco1!kjv@network.ucsd.edu  
Subject: On email addresses and host names  
To: ham-digital@ucsd.edu

Brian Kantor (brian@nothing.ucsd.edu) wrote:

: Frankly, I do not believe that the existing e-mail addresses used on the  
: AX.25 BBS network will ever change. I do believe that a parallel  
: network of internet-compatible ham radio mail servers will spring up  
: and, over time, obsolete the AX.25 BBS systems.

You are correct. We're doing it in Buffalo, and in Pittsburgh... This system for example allows for messages to go from ampr.org to Internet. In time it will also be a wormhole... But I need to replace the dreaded UUCP Internet link with something substantial.

: The issue, for the moment, is how to make the two systems (the Internet  
: and the existing AX.25 BBSs) interoperate as best they can.  
:    - Brian

Simple... RS0... Get rid of DOS, run Linux, and get on with life. Sorry to sound so incencitive, but that's what works... And it's the only thing that works 100% of the time. Rather than having KA9Q or it's variants emulate the functionality of TCP/IP (dare I say

UNIX) networking, let Linux do it... It's inherent in the OS... No patches, no band-aids. And it's wicked fast as well.

Heck, if everyone ran Linux we could (albeit it would be like sucking the great lakes through a straw) run graphical applications via radio. Something like X-Trek, or something else similar.

Some say it'll never happen. I say it will happen if people wise up. DOS is now about 14 - 15 years old. It was meant for an 8 bit processor, 1 task, and that's it! I like to say DOS is like a bicycle, and UNIX is like an 18 wheeler.

The 18 wheeler makes the most out of it's horsepower, and payload, and it has air conditioning, power windows, power brakes.

They've taken the bicycle, and added a 500 horse power motor, 3 gear ratios (Windows(tm) Standard Mode, 286 Mode, and 386 Mode), air conditioning, power windows, and power brakes, maybe even power steering.

The analogy is it's still a bicycle frame. Let's look at what was added on to DOS.

- o Memory Management (640K barrier still exists)
- o Networking (Still quite limiting as you can't do much gatewaying)
- o Graphical Applications (Windows)
- o Multi-Tasking

I'm sure there is more. But the backwards compatibility nipped them in the end.

I'd rather go with Platform Independence than backwards compatibility. Just re-compile the applications! Done deal!

When I migrated from Xenix(tm) to Linux I just re-compiled, and it was done! How hard is it to type "make install" in the source directory?

In short, your chain is as strong as your weakest link. And what has been the main objection to people not getting UNIX?

- o It's too expensive!

Now it's free! Get off your DOS rocker, and FTP to sunsite.unc.edu and go get it! If you don't, and you still suffer from DOS woes, I have no sympathy...

Why do you need to run DOS?

- o Spreadsheet? It's in Linux
- o Database? It's in Linux
- o WYSIWIG Editor? It's in Linux
- o Fax modem? It's in Linux
- o Novell(tm) compatible? Have them run Linux, and not a band-aid.
- o Multi-Tasking? It's in Linux
- o Multi-User? (Oh, wait, DOS doesn't even know about that)
- o QEMM-386(tm) (Gee, I'm losing myself here...)
- o Windows Environment? It's in Linux... Pick 1, there is 3 or 4 kinds of interfaces.
- o DOS Compatibility? It's in Linux... DOS emulator.

Now, go get it, and sell tell your broker to sell your stock in Excedrin.

uptime:

12:33pm up 96 days, 12:52, 2 users, load average: 0.16, 0.05, 0.01

96 days without a re-boot... Not one hiccup! What are you waiting for?

--

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.signature Beta 0.25-4 | Karl J. Vesterling - N2VQM
Patents Pending      | kjv@exucom.com - Internet
(C) 1993             | n2vqm@n2vqm.ampr.org - MailDrop
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Date: Wed, 27 Apr 1994 06:30:56 GMT  
 From: ihnp4.ucsd.edu!usc!cs.utexas.edu!asuvax!ennews!stat!aznetig!  
 daniel.meredith@network.ucsd.edu  
 Subject: T-Net X1J Release 2  
 To: ham-digital@ucsd.edu

TheNet X1J Release number 2 is now available...

It solves some minor bugs and has more support for Dev. Meter...

It is available for Download from the F6FBB SUPPORT BBS

+1-602-912-0225 Up to 14.4 Kb v.32 v.42 Bis Modes/MNP

The file is located in the TheNet Directory

73 de Dan daniel.meredith@aznetig.stat.com

-----  
Date: Thu, 28 Apr 1994 12:29:51 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!howland.reston.ans.net!math.ohio-state.edu!  
jussieu.fr!univ-lyon1.fr!swidir.switch.ch!news.unige.ch!ugun2a!  
pfund@network.ucsd.edu  
Subject: TEK RADIO.....where?  
To: ham-digital@ucsd.edu

In article <Cox8pD.EGD@tc.fluke.COM>, cmdorat@tc.fluke.COM (Richard Kowalsky)  
writes:

> Hi, I have heard about a small dedicated data radio called the  
> "TEK" radio. It supposedly supports 9600 baud packet. I would  
> like to get my mits on one unfortunately, every one I ask just says  
> that "they are advertized in QST, look in there."  
>  
> OK, I admit defeat, I just scanned the latest issue of QST and  
> cannot find an add for one. If you know the page number of the  
> add, please let me know. Better if you actually have a phone  
> number, but the page number will suffice.  
>  
> Thanks in advance  
> Richard Kowalsky (N7RAY)  
>  
>  
> PS: They are Xtal controlled 440Mhz radios ~ \$89.00

Could you please give us some infos on these radios ? e.g. do they  
have shift frequency possibility for full duplex repeaters ?  
Are the quartz factory installed, are they standard, can YOU change  
them ???

Thanks for the info!

Daniel

>  
> --  
> -----  
> | Richard Kowalsky  
> | Fluke Corporation  
> | cmdorat@tc.fluke.com <---Internet  
> | algedi!n7ray@data-io.com<---Hamnet  
> | 206-356-6279 <---Audionet  
> | 6920 Seaway Blvd <---Ancientnet

\_\_\_\_\_/ \--\_\_ {\_\_\_\_\_|  
< NCC1701 > // |  
----- / / |  
\_ \ \\_\_\_/\_/\_ |  
}< \



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> | Everett, Wa. 98206                                \_____/      |
> | -----|
> | Standard Discalimer:                               |
> |   Any opinions or ideas or feats of mental prestidigitatation are mine. |
> | -----|
--
```

```
--
  /// Daniel Pfund                                Internet: pfund@uni2a.unige.ch
__/// University of Geneva, Economics             AX25: hb9vbc@hb9iap.srom.ch.eu
\\// only AMIGA makes it possible !                ham radio amateur
```

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Date: Fri, 29 Apr 1994 00:21:51 GMT  
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!csulb.edu!csus.edu!  
netcom.com!cameron@network.ucsd.edu  
Subject: WANTED: RADIO HEALTH PROGRAMMING  
To: ham-digital@ucsd.edu

WANTED: RADIO HEALTH PROGRAMS

Does anyone know where I can find a library of radio or audio health programming? We are looking for radio talk shows or audio documentaries that discuss subjects regarding mental and physical health. Any programming about heart disease, cancer, physical fitness, diet, meditation, relaxation, phobias, etc. is of interest.

This programming will be provided to univerisity and municipal libraries to expand the public's awareness of important health issues.

Thanks in advance for your help.      cameron@netcom.com

--

cameron@netcom.com

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Date: 28 Apr 1994 13:31:36 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!zip.eecs.umich.edu!  
yeshua.marcam.com!wrdis02.robins.af.mil!gwood@network.ucsd.edu  
Subject: wanted KPC-4  
To: ham-digital@ucsd.edu

Wanted KPC-4 so i can put up a 6mtr gateway in central Ga.  
please let me know you price i'm sure we can work things out  
73's KC4YBL

GREG WOOD  
AC-130U GUNSHIP

-----  
Date: Fri, 29 Apr 1994 08:01:06 GMT  
From: yale.edu!nigel.msen.com!zib-berlin.de!news.th-darmstadt.de!terra.wiwi.uni-frankfurt.de!zeus.rbi.informatik.uni-frankfurt.de!news.dfn.de!scsing.switch.ch!aragorn.unibe.ch!muchalwenger@yale.  
Subject: Wanted PD-Software for JRC NRD525  
To: ham-digital@ucsd.edu

Hello all together!

I have a shortwave receiver JRC NRD 525 with a built in Serial RS232 Interface.  
But at this moment i do not have any software to control it from my IBM compatible computer.

So what i am looking for is all kind of software for IBM and NRD525

or

ftp-adresses, where i may get the desired stuff.

Thank you very much and all the best from Switzerland

Tom

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Date: 28 Apr 1994 08:27:04 -0400  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!convex!news.duke.edu!solaris.cc.vt.edu!news.ans.net!hp81.prod.aol.net!search01.news.aol.com!not-for-mail@network.ucsd.edu  
Subject: WEFAX on the Macintosh ???  
To: ham-digital@ucsd.edu

In article <19940426154926UJM1@ibm3090.rz.uni-karlsruhe.de>,  
UJM1@ibm3090.rz.uni-karlsruhe.de (Ulrich Luethen) writes:

I know that the PK232 has the required hardward/software interface to be able to accomodate the HF WEFAX broadcasts.

Or are you looking for the satellite data on the VHF bands directly from the birds?

73 for now.... c u on the shortwaves  
Terry Stader - KA8SCP  
America Online Ham Radio Club Host  
Macintosh Amateur Radio Software List Maintainer

Internet: tstader@aol.com (e-mail) or  
p00489@psilink.com (binaries/files >28K)  
KA8SCP@WA1PHY.#EMA.MA.USA.NOAM  
ka8scp@ka8scp.ampr.org [44.56.4.82] Mac  
[44.56.4.120] DOS Clone  
(they're BOTH pc's!)

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Date: Thu, 28 Apr 1994 14:51  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!xlink.net!news.urz.uni-  
heidelberg.de!rz.uni-karlsruhe.de!ibm3090.rz.uni-karlsruhe.de!  
UJM1@network.ucsd.edu  
Subject: what freq to receive weather fax ?  
To: ham-digital@ucsd.edu

In article <2pn6md\$cem@godot.cc.duq.edu>,  
SYJERRY@duq3.cc.duq.edu (Sy Jerry) writes:

>what frequency can I receive weather fax ?  
>

>please email responses if possible.

>

You 'll find a complete list of WEFAX stations all over the world  
in "Guide to Facsimile Stations" written by Klingenfuss Publications,  
Tuebingen, Germany.  
hope, this will help you

Uli "caesar" Luethen

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End of Ham-Digital Digest V94 #132

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